

Appendix E

1100 Area Sites

1100 Area Superfund Site Closeout Report Requirements.		
Plans are in place for DOE to inspect and maintain the integrity of the cap and fencing at the Horn Rapids Landfill.		
1. Was there a RL program responsible for inspecting and maintaining the integrity of the cap and fencing at the landfill?	Yes, BHI's Surveillance and Maintenance Project. As per the surveillance sheets completed by BHI, there were no cave-ins, depressions, or no animal intrusion.	
2. Is the fence surrounding the landfill in a good condition?	The wire fencing around the landfill is in a good condition. However, one wire strand between two metal posts needs to be repaired (see photo).	
3. Did RL program have a plan in place to inspect and maintain the landfill cap and fencing?	Yes, BHI's Field Support Task Instruction, Surveillance of the 200-E and 600 Area.	
4. Was the plan successfully implemented?	Yes, per Horn Rapids Landfill Surveillance Data Sheets for Calendar Year 2002.	
Continued groundwater monitoring around the Horn Rapids Landfill is necessary to verify the modeled contaminant attenuation predictions and to evaluate the need for active remedial measures.		
1. What are the model projections?	The models study state simulation of TCE concentrations in the unconfined aquifer for a 10-year half-life shows 5×10^{-3} mg/L at Stevens Drive northeast of the Horn Rapids Landfill. (see DOE/RL 90-18 Figure 5-8.)	
2. Do future concentrations of TCE as measured through monitoring show a reasonable and consistent agreement with modeling projections?	Yes. TCE concentrations have decreased in essentially all the plume areas near DOE's inactive Horn Rapids Landfill. The maximum average TCE concentration was .0041 ug/L. (See "Hanford Site Groundwater Monitoring for FY 2002," March 2003, PNNL)	
3. If so, do the remedial measures need to be reevaluated?	No, as of this assessment period. (See "Hanford Site Groundwater Monitoring for FY 2002," March 2003, PNNL)	
1100 Area ROD Requirements.		
DOE will control access and use of the Site for the duration of the cleanup, including restrictions on the drilling of new groundwater wells in the plume or its path will be enforced until the Remedial Action Objectives have been attained.		
1. Is RL controlling access and use of the site until the Remedial Action Objectives are attained?	Yes	
2. If so, how? Are the controls adequate?	The site is fenced with locked gates. Access restriction signs are posted on the fence. The controls adequately restrict access.	One portion of the fence requires repair.
3. Does the land-use plan provide for restrictions on installation of new water wells and utilization of groundwater resources?	The existing deed restrictions provide for restrictions on installation of well water and its use.	
DOE will record a notation on the deed to the Horn Rapids Landfill property as specified in the asbestos NESHAP (40 CFR 61).		
1. Has DOE met this requirement?	June 12, 1997, US EPA was notified by DOE regarding Recorded Notice in Deed for Horn Rapids Landfill. The Benton County Auditor's file number is 97-8784. A copy of the notice in deed was provided to the US EPA.	